**Science** **in a** **Bag – Student Page** 

Parents and Offspring

**Grade Level**

* Kindergarten

**Standards**

* GLE 0007.4.2 Observe that offspring resemble their parents.
* Checks for Understanding: 0007.4.2 Match pictures of seedlings to adult plants and a juvenile to the adult animal.

**Task Objective**

* I can recognize that offspring look like their parents.

**Materials Needed**

* Pencil
* Matching Cards
* Vocabulary Worksheet
* “What Traits Did Your Parents Give You” Worksheet
* The Thermometer Interest Scale
* Post-it Note

**Procedures**

1. Find the Vocabulary Worksheet, and answer each question by filling the blanks with the correct vocabulary term. This page will go in your interactive notebook.
2. Next, find the “What Traits Did Your Parents Give You” Worksheet, and fill in which parent gave you the listed trait. This page will go on the same page with the vocabulary worksheet in your interactive notebook. You can take this worksheet home to finish.
3. Next, find the matching cards, mix them up, lay them picture side down on the table, and turn two cards over at a time to make a match. (If in a group, take turns with each member.) A match is the correct parent with the correct offspring.
4. Next, take a Post-it note, and write your name on it. Place the Post-it note on the level of the Thermometer Interest Scale where your interest in the topic is. 1 is cold (not interesting) and 5 is hot (very interesting).
5. Finally, clean up, and put the bag back on the shelf.

**Academic Vocabulary**

Vocabulary Worksheet:

* Vocabulary terms: Life form, Inherit, Parent, Offspring, Trait
* Use the word bank, and answer each sentence by filling in the blanks with the correct vocabulary term.
* This worksheet is done first.

**Assessment**

Interest Scale:

* Show how interesting the topic of offspring looking like their parents is to you by placing your name on the Thermometer Interest Scale. The scale goes from 1 cold (not interesting) to 5 hot (very interesting).

**Clean-up**

* Paper clip the matching cards back together.
* Put the Thermometer Interest Scale carefully in the bag first.
* Put folder, Post-it notes, and cards back into the bag carefully in front of the scale.
* Tape or glue your two completed worksheet in to yours interactive notebook.

**Science in a Bag – Teacher Page** 

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**Task Objective**

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**Explanation**

* The activity is to show how offspring resemble their parents. Students will use context clues to understand vocabulary terms. Students will see what traits they get from each parent. Students will play a matching game to see how different animals resemble their parents.
* Students should complete the vocabulary and “What Traits Did Your Parents Give You” worksheets, and glue or tape them to their interactive notebook. An individual or a group can play the matching game. If there is a group playing the game, they should take turns turning two cards over at a time to match the parent to their offspring. The students should place a Post-it note with their name in the Thermometer Interest Scale on the level of their interest in the topic.

**Academic Vocabulary**

* Life form- any living thing
* Inherit- to receive through genetics
* Offspring- the young of a person, animal, or plant
* Parent- a father or mother
* Trait- a inherited characteristic
* Students will have to use context clues to select the correct term for the blank in the sentence. It allows the student to understand the definition, rather than just knowing the definition.

**Common Misconceptions**

* Traits are passed on from only one parent.
* Certain traits always come from the mother, and the other always from the father.
* Characteristics are blended together.

**Real World Connection**

* Students can see how offspring get traits from the parents. Students can see what traits they get from their parents, and how they may get different traits from each parent.

**Connections Across the Curriculum**

Math:

* [CCSS.MATH.CONTENT.K.CC.C.7](http://www.corestandards.org/Math/Content/K/CC/C/7/): Compare two numbers between 1 and 10 presented as written numerals.
  + Students compare the number of toes, legs, or feet of animals, and relate that the offspring has the same number of toes, legs, and feet as the parent.

Language Art:

* [CCSS.ELA-LITERACY.L.K.5.C](http://www.corestandards.org/ELA-Literacy/L/K/5/c/): Identify real-life connections between words and their use (e.g., note places at school that are colorful).
  + Students can write or discuss about the traits they get from their parents, and how they resemble their parents.

Social Studies:

* Culture: K.1 Describe familiar people, places, things and events, with clarifying detail about a student’s home, school, and community.
  + Students can write or discuss how each family member has similar traits and characteristics.

**References**

* <http://webcache.googleusercontent.com/search?q=cache:XkMCklgaArcJ:wiki.nb27.org/science/1stOrganisms/first/organisms/docs/1stPlantsAnimalsMiscon.pdf+&cd=5&hl=en&ct=clnk&gl=us&client=safari>
  + I got the common topic misconceptions from this website.
* <http://www.wordcentral.com>
  + I got the definitions of the vocabulary words from this website.
* <https://www.spellingcity.com/kindergarten-science-vocabulary.html>
  + I got the list of vocabulary words from this website.

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_**

**Vocabulary Worksheet**

Fill the blanks with the correct vocabulary term from the word bank.

Life forms Inherited Parent Offspring Trait

1. John is a \_\_\_\_\_\_\_\_\_\_\_\_\_ to his mother and father.
2. Sally \_\_\_\_\_\_\_\_\_ her red hair from her mother.
3. A mother or father is a \_\_\_\_\_\_\_\_\_.
4. Animals are living, so they are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. Jimmy received the brown hair \_\_\_\_\_\_\_\_\_ from his father.

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_

**“What Traits Did Your Parents Give You”**

Write down whom you got the listed trait from. Write Mother, Father, or Both.

|  |  |
| --- | --- |
| Trait | Whom you got it from |
| Eye color:  Did you get the color of your eyes from your mother, father, or both? |  |
| Hair color:  Did you get the color of your hair from your mother, father, or both? |  |
| Nose shape:  Is the shape of your nose like your mother, father, or both? |  |